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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

#4

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In Re Application of:

Arnold Muralt

Group Art Unit: 2631

Serial No.: 09/888,735

Examiner: To be Assigned

Filed: June 25, 2001

Docket No.: 060705-1710

For: Unified DSL Transceiver

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

This information disclosure statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, and specifically:

- ☒ under 37 CFR 1.97(b), or
(within Three months of filing national application; or date of entry of international application; or before
mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
☐ Statement Under 37 C.F.R. 1.97(e), or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97(b) time period, but before the final office action or notice of allowance, whichever
occurs first)
- ☐ under 37 CFR 1.97(d) together with a:
☐ Statement under 37 CFR 1.97(e), and
☐ a \$180.00 petition fee set forth in 37 CFR 1.17(p).
(Filed after final office action or notice of allowance, whichever occurs first, but before payment of the
issue fee)

Enclosed is a check in the amount of \$ 0.00. Please charge \$0.00 to deposit account 20-0778. At any time during the
pendency of this application, please charge any fees required to Deposit Account 20-0778 pursuant to 37 CFR 1.25. The
Commissioner is hereby requested to credit any overpayment to Deposit Account No. 20-0778.

- ☒ Applicant(s) submit herewith *Form PTO 1449 - Information Disclosure Citation* together with copies of
patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may or may not
be material to the examination of this application and for which there may be a duty to disclose in accordance with 37
CFR 1.56. As required by 37 C.F.R. §1.98(a), a legible copy of each document is provided.
- ☐ A concise explanation of the relevance of foreign language patents, foreign language publications and
other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in
37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent
is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English
language version of the search report or action which indicates the degree of relevance found by the foreign office is listed
on the form PTO 1449 and is enclosed herewith.

The following rights are reserved by the Applicant(s): the right to establish the patentability of the claimed invention
over any of the listed documents should they be applied as reference, and/or the right to prove that some of these documents
may not be prior art, and/or the right to prove that some of these documents may not be enabling for the teachings they purport
to offer.

This statement should not be construed as a representation that an exhaustive search has been made, or that information more material to the examination of the present application does not exist. The Examiner is specifically requested not to rely solely on the materials submitted herewith. The Examiner is requested to conduct an independent and thorough review of the documents, and to form independent opinions as to their significance.

It is requested that the information disclosed herein be made of record in this application and that the Examiner initial and return a copy of the enclosed PTO-1449 to indicate the documents have been considered.

Respectfully Submitted,

**THOMAS, KAYDEN, HORSTEMEYER
& RISLEY, L.L.P.**

By:

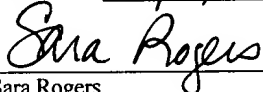

Daniel R. McClure; Reg. No. 38,962

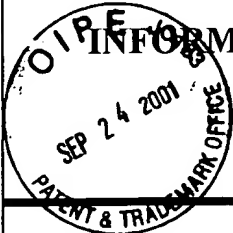
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I hereby certify that this correspondence is being deposited with the United States Postal Service as "First Class Mail," in an envelope addressed to: Assistant Commissioner of Patents and Trademarks, Washington, D.C.

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Sara Rogers

Form PTO-1449				Attorney Docket No. 060705-1710		Serial No. 09/888,735	
 INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Applicant Arnold Muralt			
				Filing Date 06/25/01		Group 2631	
U.S. PATENT DOCUMENTS							
Examiner Initials	Item	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
						Yes No	
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, etc.)</i>							
	A	Article entitled "Hybrid Analog/Digital Echo Cancellation Revisited (and Recycled)", dated February 12, 1999 by Arnold Muralt; pages 1-3.					
	B	Article entitled Copper CrossConnect™ A New Solution for the Competitive Local Loop by Turnstone White Paper, undated, pages Cover - 16.					
	C	Article entitled Draft New Recommendation G.992.1 "Asymmetrical Digital Subscriber Line (ADSL) Transceivers", dated October 12-23, 1998 by International Telecommunication Union, pages i and ii, 1-226.					
<p>* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.</p>							
EXAMINER'S SIGNATURE:					DATE CONSIDERED:		